

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 88 - 007

WASTE DISCHARGE REQUIREMENTS FOR:

SEENO DUCK CLUB
ALBERT D. SEENO CONSTRUCTION COMPANY
SOLANO COUNTY

The California Regional Water Quality Control Board,
San Francisco Bay Region (hereinafter Board) finds that:

1. The Albert D. Seeno Construction Company, owner and operator of the Seeno Duck Club, hereinafter discharger, submitted a report of waste discharge dated July 7, 1987.
2. The Seeno Duck Club is located approximately three and one half miles southwest of Suisun City, at the eastern end of Jacksnipe Road, east of the Southern Pacific railroad, in the primary management area of the Suisun Marsh, in Solano County.
3. The discharger has proposed construction of an alternative on-site system for the treatment and disposal of domestic wastewater from a proposed 5,800 square foot, two-story, five-bedroom duck club lodge and caretaker's residence to be constructed on a recently relocated and expanded dike on the Duck Club property. Treated domestic effluent would be disposed to a 25,000 square foot diked evaporation pond to be constructed in a wetlands area adjacent to the proposed lodge. Prior to disposal to the pond, the domestic wastewater would receive treatment from a 2,000 gallon watertight septic tank, followed by a buried, fully lined and isolated, intermittently-dosed sand filter. A 1,500 gallon pumping chamber and sump pump would be used for collection and pumping of the septic tank effluent to the sand filter, and a separate pumping chamber and sump pump would be used for collection and pumping of sand filter effluent to the evaporation pond. The design wastewater flow is 1,050 gallons per day. Domestic water is hauled in to the Duck Club by truck from off-site sources.
4. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on December 17, 1986, and the State Water Resources Control Board approved it on May 21, 1987. The Basin Plan contains water quality objectives for the Suisun Marsh and contiguous waters. This Order implements the Basin Plan objectives.

5. The beneficial uses of Suisun Marsh and contiguous waters are:

Water Contact and Non-contact Recreation
Sport Fishing
Wildlife Habitat
Preservation of Rare and Endangered Species
Fish Migration and Spawning
Estuarine and Warm Fresh Water Habitat
Fresh Water and Brackish Marshes

6. The beneficial uses of groundwater in the vicinity of the discharge are:

Domestic Supply
Agricultural Supply

7. The Solano County Department of Environmental Management prepared and approved a Negative Declaration, dated August 13, 1986, for this project in accordance with the California Environmental Quality Act (Public Resources Code Section 21000 et seq.). The Negative Declaration determined that no significant adverse environmental impacts would occur as a result of the project, provided the discharger meets all applicable requirements of the County and other government agencies having jurisdiction within the Suisun Marsh.
8. This Order serves as Waste Discharge Requirements, the adoption of which is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.
9. The discharger and interested agencies and persons have been notified of the Board's intent to prescribe waste discharge requirements for the proposed discharge and have been provided with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
10. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Clean Water Act, as amended and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. Neither the treatment nor the discharge of pollutants shall create a pollution, contamination or nuisance as defined by the California Water Code.

2. There shall be no bypass or overflow of sewage from the collection, treatment, or disposal system to waters of the State.
3. The collection, treatment and disposal of wastewater shall not impair ground water quality.
4. Operation of the evaporation pond in a manner which would provide a breeding area for mosquitos is prohibited.
5. The wastewater flow shall not exceed 1,050 gallons per day.

B. Specifications

1. Waste effluent, as discharged to the evaporation pond shall meet the following quality limits at all times:

In any grab sample:

- | | |
|---------------------|-----------------|
| a. 5-day BOD | 20 mg/l maximum |
| b. Suspended Solids | 20 mg/l maximum |

2. Waste at any place in the evaporation pond within one foot of the water surface shall not exceed the following limits:

In any grab sample:

- | | |
|-----------------------|----------------------------|
| a. Dissolved Oxygen | 2.0 mg/l minimum |
| b. Dissolved Sulfides | 0.1 mg/l maximum |
| c. pH | 6.5 minimum 8.5 maximum |

3. A minimum freeboard of two feet on the interior of the pond dikes shall be maintained at all times.
4. The public shall be effectively excluded from the evaporation pond water area. This area shall be clearly identified with posted notices to the public. The method and form of notification and exclusion shall be subject to the review and approval of the Executive Officer.
5. The treatment system components and the evaporation pond shall be protected from erosion, washout, and flooding from the maximum flood having a predicted frequency of once in 100 years.


6. The evaporation pond shall have sufficient capacity to contain all wastewater from the treatment system during the wettest rainfall period expected once in ten years. If a wetter rainfall period occurs the wastewater discharge to the pond may have to be reduced or wastewater from the pond hauled to a permitted disposal facility to prevent pond overflow.
7. Any observations of unusual waterfowl deaths in the evaporation pond area shall be reported to the State Department of Fish and Game and the Regional Board immediately.

C. Provisions

1. The discharger shall comply with the Self-Monitoring Program as adopted by the Board and as may be amended by the Executive Officer.
2. The discharger shall provide written notification to the Board within 15 days of the commencement of discharge to the evaporation pond.
3. This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from liabilities under federal, state or local laws, nor create a vested right for the discharger to continue the waste discharge.
4. The Regional Board, Solano County Environmental Health Services Division or their authorized representatives shall be allowed:
 - a. Entry upon premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order;
 - b. Access to copy any records that must be kept under the conditions of this Order;
 - c. To inspect any facility, equipment (including monitoring control equipment), practices, or operations regulated or required under this Order; and
 - d. To photograph, sample, and monitor for the purpose of assuring compliance with this Order.
5. The Board will review this Order periodically and may revise the requirements when necessary.

6. This Order may be modified, revoked and reissued, or terminated in accordance with applicable State and/or Federal regulations. Cause for taking such action includes, but is not limited to any of the following:
 - a. Violation of any term or condition contained in the Order;
 - b. Obtaining the Order by misrepresentation, or by failure to disclose fully all relevant facts;
 - c. Endangerment to public health or environment that can only be regulated to acceptable levels by Order modification or termination; and
 - d. Any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
7. The discharger shall furnish, within a reasonable time, any information the Regional Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger shall also furnish to the Regional Board, upon request, copies of records required to be kept by this Order.

I, Roger B. James, Executive Officer do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on January 20, 1988.


ROGER B. JAMES
Executive Officer

Attachments:

Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

TENTATIVE
SELF-MONITORING PROGRAM
FOR

SEENO DUCK CLUB
ALBERT D. SEENO CONSTRUCTION COMPANY
SOLANO COUNTY

ORDER NO. 88 - 007

I. GENERAL

Basis

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

Purpose

The principal purposes of a monitoring program by a waste discharger, also referred to as self-monitoring program, are: (1) to document compliance with waste discharge requirements and prohibitions established by this Regional Board, (2) to facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge, (3) to develop or assist in the development of effluent or other limitations, discharge prohibitions and other standards, and (4) to prepare water and wastewater quality inventories.

II. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

| <u>Station</u> | <u>Description</u> |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E-001 | Septic Tank Effluent Located within the pump chamber (Lift Station #1) which receives septic tank effluent, and prior to pumping to the sand filter. |
| E-002 | Sand Filter Effluent Located within the pump chamber (Lift Station #2) which receives final treated effluent from the sand filter unit, and prior to pumping to the evaporation pond. |

B. EVAPORATION POND

| <u>Station</u> | <u>Description</u> |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| P - 1 | Located at a point in the pond within one foot of the water surface, and no less than two feet from the water's edge. |

C. LAND OBSERVATIONS

| <u>Station</u> | <u>Description</u> |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L-1 thru L-4 | Located at four points spaced equidistant along the perimeter dike of the pond. A sketch showing the stations shall be submitted with the first self-monitoring report, and with subsequent self-monitoring reports when any station location has been changed. |

III. SCHEDULE OF SAMPLING, MEASUREMENT AND ANALYSIS

- A. The discharger is required to perform observations, sampling, measurements and analysis according to the schedule given in Table I.
- B. Standard Observations for all L stations include:
 1. Pond Water
 - a. Floating and suspended materials of waste origin (to include oil, grease, algae, and other macroscopic particulate matter): presence or absence, source, and size of affected area.
 - b. Discoloration and turbidity: description of color, source, and size of affected area.
 - c. Odor: presence or absence, characterization, source, and distance of travel and wind direction.
 - d. Presence of waterfowl or wildlife within the pond and within 100 feet of the pond. (Any observations of unusual waterfowl deaths should be reported to the State Department of Fish and Game and the Regional Board immediately).
 - e. Evidence of mosquito breeding within the pond area.
 2. Pond Dikes
 - a. Freeboard: determine the amount of freeboard at lowest point of dikes confining pond water (height from water surface to top of dike).
 - b. Evidence of leaching liquid from area of confinement: presence or absence, and estimated size of affected area (include sketch showing area of leaching and affected area).

- c. Evidence of any overflow of wastewater from the pond.
- d. Warning signs adequately posted to inform public of presence of treated wastewater.

3. Weather Conditions

- a. Estimated air temperature.
- b. Wind - direction and estimated velocity
- c. Precipitation - total estimated precipitation during the previous month.

(Note: Weather observations may be taken at a single station located at the pond.)

IV. REPORTS TO BE FILED WITH THE REGIONAL BOARD

A. Self-Monitoring Reports

Written reports shall be filed quarterly and received no later than the fifteenth day of the month (April, July, October and January) following the end of the quarter. The reports shall be comprised of the following:

1. Letter of Transmittal:

A letter transmitting self-monitoring reports shall accompany each report. Such a letter shall include a discussion of all violations of waste discharge requirements found during the reporting period, and corrective actions planned or taken. The letter shall contain a statement by a principal official or duly authorized representative of the discharger that, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

2. Results of Analyses and Observations

Tabulations of the results from each required analysis and/or observations specified in Table I by date, time, type of sample, and sample station identification.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.



ROGER B. JAMES
Executive Officer

Effective Date JANUARY 25, 1988

Attachment:
Table I

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

| SAMPLING STATIONS | E-001 | E-002 | P-1 | L-1 thru L-4 |
|------------------------------------|-------|-------|-------|--------------------|
| Type of Samples | G | G | G | O |
| Flow Rate (gpd) | M (1) | | | |
| BOD, 5-day, 20 C (mg/l) | Q | Q | Q | |
| Total Suspended Material (mg/l) | Q | Q | Q | |
| pH (units) | | | Q | |
| Dissolved Oxygen (mg/l) | | | Q | |
| Dissolved Sulfides (mg/l) | | | Q (2) | |
| Standard Observations | | | | M |

LEGEND FOR TABLE

G = Grab Sample

O = Observation

gpd = gallons per day

Q = Quarterly, for the first year of operation

M = Monthly

Notes:

- (1) Flow rate may be measured by appropriately calibrated event counters on pump control equipment or by a totalizing flow meter. Measurement of domestic water usage may be substituted for septic tank flow measurement, provided this substitution is clearly denoted in the self-monitoring report.
- (2) To be analyzed for only when the Dissolved Oxygen is below 2.0 mg/l.